

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032023\
 Data File : VN077075.D
 Acq On : 20 Mar 2023 17:54
 Operator : JC\MD
 Sample : 01941-15MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE126D1-20230314MSD

Quant Time: Mar 21 05:39:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/21/2023
 Supervised By : Mahesh Dadoda 03/21/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.231	168	313865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	557348	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	501359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	233295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	288288	57.503	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.000%			
35) Dibromofluoromethane	8.172	113	220413	56.470	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.940%			
50) Toluene-d8	10.572	98	835343	59.913	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 119.820%#			
62) 4-Bromofluorobenzene	12.854	95	307356	62.384	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 124.760%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	134308	45.182	ug/l	95
3) Chloromethane	2.378	50	153123	48.421	ug/l	100
4) Vinyl Chloride	2.525	62	172885	50.649	ug/l	99
5) Bromomethane	2.949	94	120576	52.296	ug/l	99
6) Chloroethane	3.125	64	140312	64.962	ug/l	95
7) Trichlorofluoromethane	3.507	101	395375	53.842	ug/l	97
8) Diethyl Ether	3.972	74	155898	56.411	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.384	101	222497	53.415	ug/l	100
10) Methyl Iodide	4.601	142	270008	57.551	ug/l	96
11) Tert butyl alcohol	5.537	59	232621	318.421	ug/l	100
12) 1,1-Dichloroethene	4.354	96	209407	54.954	ug/l	99
13) Acrolein	4.190	56	263804	291.953	ug/l	99
14) Allyl chloride	5.037	41	413418	59.263	ug/l	94
15) Acrylonitrile	5.731	53	700424	285.195	ug/l	99
16) Acetone	4.437	43	558242	249.899	ug/l	100
17) Carbon Disulfide	4.725	76	563482	50.713	ug/l	99
18) Methyl Acetate	5.037	43	451209	53.564	ug/l	97
19) Methyl tert-butyl Ether	5.807	73	782556	57.221	ug/l	97
20) Methylene Chloride	5.284	84	253998	52.391	ug/l	97
21) trans-1,2-Dichloroethene	5.795	96	223774	54.180	ug/l	97
22) Diisopropyl ether	6.684	45	842544	55.125	ug/l	98
23) Vinyl Acetate	6.613	43	2640706	273.790	ug/l	99
24) 1,1-Dichloroethane	6.578	63	466484	53.336	ug/l	99
25) 2-Butanone	7.489	43	924614	282.943	ug/l	98
26) 2,2-Dichloropropane	7.495	77	341196	51.847	ug/l	99
27) cis-1,2-Dichloroethene	7.495	96	269219	56.913	ug/l	98
28) Bromochloromethane	7.819	49	189067	49.778	ug/l	97
29) Tetrahydrofuran	7.842	42	619620	292.607	ug/l	98
30) Chloroform	7.972	83	460126	54.203	ug/l	100
31) Cyclohexane	8.266	56	420627	51.279	ug/l	95
32) 1,1,1-Trichloroethane	8.178	97	403914	55.671	ug/l	97
36) 1,1-Dichloropropene	8.378	75	340406	55.837	ug/l	98
37) Ethyl Acetate	7.566	43	358230	54.920	ug/l	99
38) Carbon Tetrachloride	8.366	117	343858	57.907	ug/l	99
39) Methylcyclohexane	9.607	83	422426	59.198	ug/l	97
40) Benzene	8.613	78	1038582	56.173	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	194408m	55.325	ug/l	
42) 1,2-Dichloroethane	8.678	62	368377	55.137	ug/l	98
43) Isopropyl Acetate	8.695	43	579596	56.881	ug/l	98
44) Trichloroethene	9.354	130	308801	72.713	ug/l	97
45) 1,2-Dichloropropane	9.625	63	275776	56.160	ug/l	99
46) Dibromomethane	9.713	93	173024	55.869	ug/l	98
47) Bromodichloromethane	9.889	83	363880	56.021	ug/l	99
48) Methyl methacrylate	9.683	41	291942	59.931	ug/l	98
49) 1,4-Dioxane	9.701	88	108285	1301.485	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	1882582	296.689	ug/l	98
52) Toluene	10.636	92	636684	57.674	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	384296	60.366	ug/l	100
54) cis-1,3-Dichloropropene	10.319	75	413351	57.547	ug/l	97
55) 1,1,2-Trichloroethane	11.019	97	253344	58.197	ug/l	98
56) Ethyl methacrylate	10.877	69	411380	62.845	ug/l	97
57) 1,3-Dichloropropane	11.166	76	444526	55.776	ug/l	98
59) 2-Hexanone	11.195	43	1395037	303.115	ug/l	100
60) Dibromochloromethane	11.360	129	261236	59.742	ug/l	100
61) 1,2-Dibromoethane	11.472	107	251007	58.146	ug/l	98
64) Tetrachloroethene	11.107	164	186961	55.564	ug/l	98
65) Chlorobenzene	11.895	112	640076	55.487	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.960	131	237631	55.672	ug/l	98
67) Ethyl Benzene	11.966	91	1234917	58.937	ug/l	100
68) m/p-Xylenes	12.077	106	919408	118.315	ug/l	99
69) o-Xylene	12.401	106	458664	59.402	ug/l	99
70) Styrene	12.413	104	750491	62.431	ug/l	99
71) Bromoform	12.583	173	175902	60.815	ug/l #	100
73) Isopropylbenzene	12.701	105	1213711	58.053	ug/l	98
74) N-amyl acetate	12.495	43	497931	55.024	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.942	83	388012	51.226	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	353068m	58.508	ug/l	
77) Bromobenzene	12.983	156	254430	54.325	ug/l	97
78) n-propylbenzene	13.036	91	1421479	58.897	ug/l	100
79) 2-Chlorotoluene	13.130	91	864178	56.193	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	1023817	58.653	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	133811	61.036	ug/l	91
82) 4-Chlorotoluene	13.224	91	840575	57.479	ug/l	100
83) tert-Butylbenzene	13.442	119	859850	58.670	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	1035348	59.437	ug/l	98
85) sec-Butylbenzene	13.618	105	1252136	60.060	ug/l	99
86) p-Isopropyltoluene	13.730	119	1014123	60.574	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	480111	54.239	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	472415	53.642	ug/l	100
89) n-Butylbenzene	14.060	91	878847	59.837	ug/l	99
90) Hexachloroethane	14.336	117	186293	54.730	ug/l	100
91) 1,2-Dichlorobenzene	14.107	146	485452	55.020	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	76789	54.711	ug/l	95
93) 1,2,4-Trichlorobenzene	15.395	180	238831	59.878	ug/l	100
94) Hexachlorobutadiene	15.507	225	118914	54.135	ug/l	99
95) Naphthalene	15.642	128	836730	53.830	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	240524	60.098	ug/l	99

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(#)=qualifier out of range (m)=manual integration (+)=signals summed						

